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8	Attorneys for Plaintiff Kunde Enterprises, Inc.	
9	Trainae Emerprises, me.	
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11	UNITED STATES DISTRICT COURT	
12	NORTHERN DISTRICT OF CALIFORNIA	
13	OAKLAND DIVISION	
14	KUNDE ENTERPRISES, INC.,	CASE NO. 4:19-cv-06636-JSW
15	Plaintiff,	DECLARATION OF ZACH LONG IN
16 17	V.	SUPPORT OF PLAINTIFF KUNDE ENTERPRISES, INC.'S MOTION FOR
18	NATIONAL SURETY CORPORATION,	PARTIAL SUMMARY JUDGMENT
19	Defendant.	Hearing Date: May 6, 2022 Time: 9:00 a.m. Courtroom: 5
20		Pre-Trial Conference Date: March 14, 2022
21		Trial Date: May 16, 2022
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I, Zach Long, declare as follows:

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1. I am Chief Winemaker for Plaintiff Kunde Enterprises, Inc. ("Kunde"). The below Declaration is based on my personal knowledge or on information I have received in my capacity as Chief Winemaker for Kunde, which I believe to be true; and if called upon, I could and would testify competently thereto. Pursuant to Local Rule 7-5, I submit this declaration in support of Kunde's Motion for Partial Summary Judgment in the above-captioned matter.

- 2. Kunde is a family operated winery and vineyard that grows grapes and produces multiple tiers of wine crafted from grapes grown on its Sonoma Valley ranch. Kunde also purchases grapes from third parties, for a line of products that are not marketed as estate-bottled wines, which go through the same fermentation process at Kunde's facilities as grapes grown on the estate.
- 3. Kunde employs five basic steps for making wine: (i) harvesting, (ii) crushing, (iii) pressing, (iv) fermentation, and (v) aging and bottling. After Kunde crushes its grapes, it places the "must" (a combination of juice, skins, pulp, and seeds) into vats for fermentation lasting 3-4 weeks. Upon the completion of that fermentation, the fermented must is then put into the wine press to separate the solids from the wine and will tank settle for an additional 3 days. The wine is then ready to be put into barrels for secondary fermentation and aging. From date of crushing the grapes until the wine is placed in barrels is typically 4-5 weeks for red wines.
- 4. At various stages of this process, the new wine in process is exposed to air (and any smoke in the air), including when the grapes are being crushed and moved to tanks for fermentation, and when the wines are pressed after fermentation. Some of Kunde's vats are located inside, while others are located outside. There is no way to air-tight seal Kunde's vats to prevent smoke from entering. Importantly, the vats must be periodically opened throughout the winemaking process, such as during "pump overs" (which take place with red wines at least two times per day during fermentation) as well as during racking (i.e., decanting clear wine from the upper parts of tanks away from the lower parts containing undissolved grape solids). Finally, the facility is mechanically ventilated for human safety to flush the accumulated CO2 out of the facility, which in turn draws in air (and any smoke in the air) from the outside.

- 6. At the time the Wildfires began, Kunde had already harvested or purchased certain grapes, crushed them, and placed the resulting must into vats to be processed into wine. The 15 lots of finished wine made from these already-harvested grapes are referred to as the "Watch List" wines. (A "lot" references a batch of wine. A "lot" can be made from grapes from a single block on the Kunde estate, from a mix of several blocks, from a single third-party source, from a mix of third-party sources, etc.) Smoke from the Wildfires infiltrated Kunde's winemaking facilities as the Watch List wines were being produced, exposing the juice, must, and other wine products used to make the Watch List wines to smoke. Subsequent testing of the finished wines showed that 15 lots of Watch List wines were in fact smoke tainted (*i.e.*, high levels of smoke-taint compounds were present, indicating that an undesirable smoky taste and aroma would be present in the finished wine product).
- 7. Subsequent testing also confirmed that 32 lots of finished wines made from grapes harvested after the Wildfires began (the "Fire Lot" wines) were smoke tainted. A week after the Wildfires began, Kunde sent 4 samples from grapes on the vine to ETS Laboratories ("ETS") for testing. Because of the high volume of requests for testing that ETS was receiving

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